

**ABSTRACT**

The liquid cargo mooring and fluid transfer system of the present invention includes a first column affixed to the ocean floor. The first column supports one end of an extended length space frame. At the opposite end of the space frame is a buoyant support. The  
5 buoyant support includes a flat tank and a buoyant column. Fluid transfer equipment is attached to the column portion of the buoyant support on the second end of the space frame.